ABSTRACT OF THE DISCLOSURE

A master disk has an aspect ratio of a width of a groove to a depth thereof to facilitate embedding of a soft magnetic film in the groove for stabilizing magnetic printability. The master disk has at least two differently shaped grooves, in each of which the width of the groove is equal to the width in the sector direction of a servo pattern and the depth is varied. A servo pattern has a width equal to a width of the groove in the sector direction, with the depth of the groove being proportional to the servo pattern width. At least two depths of grooves are provided for embedding magnetic materials on a substrate of the master disk. The depth of the groove for embedding the soft magnetic film is made shallow in a region where the pattern width of the servo pattern is narrow and made deep in a region where the pattern width is wide.